	1114 -		1.55	T ,
L Number	Hits	Search ext	DB	Time stamp
	11840	("S/H" or sample\$1 near hold\$3 or ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitalis\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:09
/		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)		
2	549509	("382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:46
3	3484	(("S/H" or sample\$1 near hold\$3 or ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:13
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3) or phototransistor\$3)) and (("382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.)		

4	10613	(ADC CAD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5	USPAT;	2004/05/22 12:14
		digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB;	
		quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;	
	,	transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	DERWENT;	
		or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM_TDB	
		or charge adj1 coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or		
		photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1		9 0
		or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or	•	
		read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or		
		phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or		
		photoread\$4 or photodetect\$4 or photodiode\$4 or		
		phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3)		
		or phototransistor\$3)		
	3091	(("382" or "348" or "358" or "345" or "386" or "359" or "356" or	USPAT;	2004/05/22 12:16
		"250" or "396" or "375").clas.) and ((ADC or AD or "A/D" or A	US-PGPUB;	
		adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1	EPO; JPO; DERWENT;	
		(convert\$3 or convers\$4 or transform\$5 or digital\$7 or	IBM_TDB	
		digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or	18141_188	
		pickup\$1 or pick adj1 up or CCD or charge adj1 coupled)		
		near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or		
		photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1		
	ļ	or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or		
		read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or	•	
		phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or		
		photoread\$4 or photodetect\$4 or photodiode\$4 or		
		phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3)		
		or phototransistor\$3)		

6	2348	((ADC s-AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:27
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
7	1212	same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or phototransduc\$3 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4) (("382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.) and (((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5 or digital\$7 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:22
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4))		

	(((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or	USPAT;	2004/05/22 12:27
	digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB;	
	quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;	
•	transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	DERWENT;	
	or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM_TDB	
	or charge adj1 coupled) near (quantiz\$5 or quantis\$5))		
	near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
	or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
	or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
	or designat\$4)		
	same ((optical\$4 or photo or light\$3 or imag\$4 or	1 -	
	photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1		
	or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or		
	read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or		
	phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or		
	photoread\$4 or photodetect\$4 or photodiode\$4 or		
	phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3)		
	or phototransistor\$3)		
) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or		
	CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or		
	aperture\$1 or white adj1 balanc\$4)) same (force\$5 or abilit\$4		
	or mighty or mightiness\$3 or strong\$4 or strength\$4 or		
	power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4		
	or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or		
	wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4 or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or		
	bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1		
	or count\$1))		
	near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or		
	waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or	,	
	consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3		
	or exhaust\$4 or efficien\$4 or effectiv\$4)		

ſ		5	1/11292 1/249" or 11259" or 11245" or 11296" or 11250" or 112	LICOAT	2004/05/22 42:04
-	9		(("382" "348" or "358" or "345" or "386" or "359" or "350" or "250" or "396" or "375").clas.) and ((((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitalis\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:24
			pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
			or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4) same ((optical\$4 or photo or light\$3 or imag\$4 or		
			photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or strong\$4 or strength\$4 or power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4 or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1 or count\$1))		,
			near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3 or exhaust\$4 or efficien\$4 or effectiv\$4)		
	10	2574	(("S/H" or sample\$1 near hold\$3 or ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:27
			near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
			same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)		
) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)		

11	12	((("S/Hash sample\$1 near hold\$3 or ADC or AD or "A/Dar A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitalis\$5 or	USPAT; US-PGPUB;	2004/05/22 12:27
		analog\$2 near (quantiz\$5 or quantis\$5 or digitaliz\$5 or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5_or_digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	EPO; JPO; .DERWENT; .IBM_TDB	
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or strong\$4 or strength\$4 or power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4		
		or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1 or count\$1)) near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3	·	

12	5	(("382 or "348" or "358" or "345" or "386" or "359" or "35	USPAT;	2004/05/22 12:27
		"250" or "396" or "375").clas.) and (((("S/H" or sample\$1 near	US-PGPUB;	
		hold\$3 or ADC or AD or "A/D" or A adj1 D or digitiz\$5 or	EPO; JPO;	}
		digitis\$5.or digitalis\$5 or digitaliz\$5 or analog\$2 near	DERWENT	
,		(quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or	IBM_TDB	
		convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or		
		digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or		
		pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5		
		or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
		or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or		
		photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1		
		or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or		
		read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or		
		phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or		
		photoread\$4 or photodetect\$4 or photodiode\$4 or		
		phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3)		
		or phototransistor\$3)		
) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or		
		CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or		
		aperture\$1 or white adj1 balanc\$4)) same (force\$5 or abilit\$4		
		or mighty or mightiness\$3 or strong\$4 or strength\$4 or		
		power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4		
		or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or		
•		wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4		
		or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or		
		bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1 or count\$1))		
		or counts ())		
		near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or		
		waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or		
		consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3		,
	İ	or exhaust\$4 or efficien\$4 or effectiv\$4)	ĺ	

r "348" or "358" or "345" or "386" or "359" or ((("382 USPAT: 13 2004/05/22 12:28 or "250" or "396" or "375").clas.) and (((("S/H" or sample\$1 **US-PGPUB**: near hold\$3 or ADC or AD or "A/D" or A adj1 D or digitiz\$5 or EPO: JPO: digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near DERWENT: (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or IBM TDB convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4) same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or strong\$4 or strength\$4 or power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4 or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1 or count\$1)) near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3 or exhaust\$4 or efficien\$4 or effectiv\$4))) not ((("382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.) and ((((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4) same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)) same (force\$5 or abilit\$4 5/22/04 3000 ight poor reightiness\$3 or strong\$4 or strength\$4 or Search History power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or

	36455	(ADC 0.4D or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 14:11
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
15	13484	((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 14:01
16	435	near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photographic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal) adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or WXGA\$3 or WXXGA\$3 or WUXGA\$3 or OVGA\$3 or OVG	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 14:01

18	75	(("382" or "348" or "358" or "345" or "386" or "359" or "359" or "250" or "396" or "375").clas.) and (((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or	USPAT; US-PGPUB; EPO; JPO;	2004/05/22 12:33
	,	_analog\$2.near (quantiz\$5 or quantis\$5).or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	DERWENT; IBM_TDB	
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or strong\$4 or strength\$4 or power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4 or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1 or count\$1))		
		near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3 or exhaust\$4 or efficien\$4 or effectiv\$4)		
19	576246	/ ("341" or "382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:46
20	131	(((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 12:46
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or strong\$4 or strength\$4 or power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or load\$1 or utiliz\$5 or workload\$1 or wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4 or energy\$1 or energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near (number\$1 or resolution\$4 or depth\$1 or range\$1 or count\$1))		
		near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3 or exhaust\$4 or efficien\$4 or effectiv\$4)) and (("341" or "382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.)		

21	56	((((AD or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$6 or	USPAT;	2004/05/22 12:46
•		digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB;	
		quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;	
		transform\$5 or.digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	DERWENT;	, .
		or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM_TDB	
		or charge adj1 coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4	<u> </u>	
		or designat\$4)]	
ŀ) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or	ĺ	
		strong\$4 or strength\$4 or power\$4 or horsepower\$4 or		
		capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or		
1		load\$1 or utiliz\$5 or workload\$1 or wherewithal or resolution\$1 or speed\$1 or heat\$3 or power\$4 or energy\$1 or		
ļ		energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near		
į		(number\$1 or resolution\$4 or depth\$1 or range\$1 or		
		count\$1))		
		near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or		
İ		waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or		
		consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3		
		or exhaust\$4 or efficien\$4 or effectiv\$4)		
) and (("341" or "382" or "348" or "358" or "345" or "386" or		
		"359" or "356" or "250" or "396" or "375").clas.)) not ((("382"		
		or "348" or "358" or "345" or "386" or "359" or "356" or "250"		
		or "396" or "375").clas.) and (((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or		
		analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1		
		(convert\$3 or convers\$4 or transform\$5 or digital\$7 or		
		digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or		
		pickup\$1 or pick adj1 up or CCD or charge adj1 coupled)		
		near (quantiz\$5 or quantis\$5))		1
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
		or designat\$4)		
) same (force\$5 or abilit\$4 or mighty or mightiness\$3 or		
		strong\$4 or strength\$4 or power\$4 or horsepower\$4 or capab\$8 or able\$1 or resourc\$4 or usage or bandwidth or		
		load\$1 or utiliz\$5 or workload\$1 or wherewithal or		
		resolution\$1 or speed\$1 or heat\$3 or power\$4 or energy\$1 or		
		energi\$5 or current or voltag\$4 or batter\$4 or bit\$1 near		
		(number\$1 or resolution\$4 or depth\$1 or range\$1 or		
-		count\$1))		
		near3 (conserv\$5 or spare or sparing\$3 or preserv\$5 or		·
		waste\$1 or wasting or econom\$7 or scarc\$4 or frugal\$4 or		
1		consum\$3 or expend\$3 or lose\$1 or losing\$2 or maintain\$3		
-		or exhaust\$4 or efficien\$4 or effectiv\$4)	}	

22	2348	((("S/hear sample\$1 near hold\$3 or ADC or AD or "A/Dear A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitalis\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7.or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/22 14:04
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)) same ((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitalis\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5 or digital\$7 or digitiz\$5 or digitis\$5 or convers\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		

23	2348	(((("S/Lyor sample\$1 near hold\$3 or ADC or AD or "A/D-or	USPAT;	2004/05/22 14:02
25	2040	A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or	US-PGPUB; EPO; JPO; DERWENT;	2004/03/22 14.02
		digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	IBM_TDB	
	,	near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
		same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)		
) same (camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4)) same ((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitalis\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or		
		analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)		
)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or pix ma		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or WXGA\$3 or VDU or GUI)		

24	3387	(((ADO AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$6-or	USPAT;	2004/05/22 14:05
		digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB;	
		quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;	
		transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	DERWENT;	*****************
		or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM_TDB	
		or charge adj1 coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
-		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
		or designat\$4)		
) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
1		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
İ		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
İ		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
1		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or]	
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or	}	
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
1		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
ļ		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
İ		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
1		toleranc\$4)		

25	1615	(("341 "382" or "348" or "358" or "345" or "386" or "355 or	USPAT;	2004/05/22 14:04
		"356" or "250" or "396" or "375").clas.) and ((((ADC or AD or	US-PGPUB;	
		"A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or	EPO; JPO;	
w		digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or	DERWENT:	
		analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or	IBM_TDB	
		digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or	_	
		camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1		
		coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
		or designat\$4)		
) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		:
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or	:	
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or		
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4))		•

26	484	348.clax and ((((ADC or AD or "A/D" or A adj1 D or digitize)5 or digitis\$5 or digitalis\$5 or digitalis\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or	USPAT; US-PGPUB; EPO; JPO;	2004/05/22 14:06
	2.0.12.12.1	convers\$4 or transform\$5 or digital\$7.or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5))	DERWENT; IBM_TDB	, ·
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal) adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same (resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		·
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4 or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4 or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE or RMS\$1 or root adj1 mean or square\$1 adj1 error or toleranc\$4))		

			1.105.47	00044054004400
27	1272		USPAT;	2004/05/22 14:06
		digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB;	
		quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;	
		transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	DERWENT;	a mary a la la lace la lace
		or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM_TDB	
		or charge adj1 coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
		or designat\$4)		
) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or VGA\$3 or SVGA\$3 or XGA\$3 or XGA\$3 or UXGA\$3 or		
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4)) same ((optical\$4 or photo or light\$3 or imag\$4		
		or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2	`	
		(ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4		
		or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or		
		phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or		
		photoread\$4 or photodetect\$4 or photodiode\$4 or		•
		phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3)		
		or phototransistor\$3)		

28	611	(("341" "382" or "348" or "358" or "345" or "386" or "3	USPAT;	2004/05/22 14:09
20	011	"356" or "250" or "396" or "375").clas.) and (((((ADC or AD or	US-PGPUB:	2004/03/22 14.09
		"A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or	EPO; JPO;	
		digitaliz\$5 or analog\$2 near (quantiz\$5.or quantis\$5).or	DERWENT;	
		analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or	IBM_TDB	
		digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or	I IDIVI_I DD	
		camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1		
		coupled) near (quantiz\$5 or quantis\$5))		
		poor4 (changeable 2 or change 44 or changing 44 or chaire 44		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
		or designat\$4)		
1) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		'
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
]		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or		
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4)) same ((optical\$4 or photo or light\$3 or imag\$4		
		or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2		
ĺ		(ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4		
		or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or		
		phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or		
		photoread\$4 or photodetect\$4 or photodiode\$4 or		
1		phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3)		
		or phototransistor\$3))		

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29	2826	((((AD. of AD or "A/D" or A adj1 D or digitiz\$5 or digitis or	USPAT;	2004/05/22 14:10
		digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB;	
		quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;	
	7	transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5,	DERWENT;	40.
		or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM_TDB	
		or charge adj1 coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
		or designat\$4)		
) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or	i	
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or		
	:	WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE	1	
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or		
		graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or		
		frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or		
		continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1		
		map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or		
		raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or		
	1	diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or	.	
		photograph\$4 or lens\$3 or aperture\$1 or white adj1		
	1	balanc\$4)		

30	1479		USPAT;	2004/05/22 14:09
		"356" or "250" or "396" or "375").clas.) and (((((ADC or AD or	US-PGPUB;	
		"A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or	EPO; JPO;	
		digitaliz\$5.or analog\$2 near (quantiz\$5 or quantis\$5).or	DERWENT;	
		analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or	IBM_TDB	
	1	digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or		
		camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1		
		coupled) near (quantiz\$5 or quantis\$5))		
	·	near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
]	or designat\$4)		
	Ì) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
	İ	pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or		
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
	1	fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or		
		graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or		
		frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or		
		continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1		
	·	map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or	*	
		raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or		
		diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or		ĺ
]	photograph\$4 or lens\$3 or aperture\$1 or white adj1		
		balanc\$4))		

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31	1103	(((((AD—or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or	USPAT;	2004/05/22 14:09
		digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB;	
		quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;	
		transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	DERWENT;	
		or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM_TDB	
		or charge adj1 coupled) near (quantiz\$5 or quantis\$5))		
		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1		
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4		
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4		
	1	or designat\$4)		
) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or		
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or		
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1		
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or		
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or		
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4		
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4		
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or		
		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)		ĺ
		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or		
		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or		
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same		
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or		
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5		
		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or		
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4		
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4		
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or		
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE		
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or		
		toleranc\$4)) same ((optical\$4 or photo or light\$3 or imag\$4		
		or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2		
		(ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4		
		or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or		
		phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD		
		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or		
		photoread\$4 or photodetect\$4 or photodiode\$4 or		
		phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)) same (imag\$3 or pixel\$4 or pel\$1 or		
		, , , , , , , , , , , , , , , , , , , ,		
		video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4		
		or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit		
		adj1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or		*
	[raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or		
		diaphragm\$4 or still\$1 or CCD or cameord\$4 or photo\$1 or		
		photograph\$4 or lens\$3 or aperture\$1 or white adj1		
	1	balanc\$4)		

32	574	(("341 - "382" or "348" or "358" or "345" or "386" or "355 or	USPAT;	2004/05/22 14:09	7
	ļ	"356" or "250" or "396" or "375").clas.) and ((((((ADC or AD or	US-PGPUB:		ı
	1	"A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or	EPO; JPO;		١
		digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or	DERWENT:		١
		analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or	IBM TDB		l
			I IDIVI_I DB		
		digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or			
		camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1			ı
		coupled) near (quantiz\$5 or quantis\$5))			l
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		near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1			١
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) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or			
		photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or			l
		pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1			
		tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or			
		pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or			
		gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4			l
		or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4			
		or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or	1		l
}		view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal)			ı
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		adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or			l
ļ		VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or	İ		
		WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same			
		(resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or			
		fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5			
ļ		or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or			l
		qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4			
		or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4			l
		or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or			
		HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or		1	
		reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE			
		or RMS\$1 or root adj1 mean or square\$1 adj1 error or			ĺ
	1	toleranc\$4)) same ((optical\$4 or photo or light\$3 or imag\$4			ĺ
		or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2			ĺ
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		or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or	1		i
ŀ		photoread\$4 or photodetect\$4 or photodiode\$4 or			l
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		or phototransistor\$3)) same (imag\$3 or pixel\$4 or pel\$1 or			l
		video\$1 or graph\$5 or photo\$5 or photographic\$4 or film\$1 or			l
		scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4			
		or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit			
		adj1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or	1		
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		diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or			į
		photograph\$4 or lens\$3 or aperture\$1 or white adj1			ĺ
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33	17910	(ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or	USPAT;	2004/05/22 14:11	
		digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or	US-PGPUB;		l
		quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or	EPO; JPO;		į
		transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5	DERWENT;		
	i .	or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD	IBM_TDB		ļ
	ļ	or charge adj1 coupled) near (quantiz\$5 or quantis\$5))			
		near2 (changeabl\$3 or change\$1 or changing\$4 or choice\$1			
		or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4			
		or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4			
		or designat\$4)	,		
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r "382" or "348" or "358" or "345" or "386" or 35 301 USPAT: 2004/05/22 14:13 or "356" or "250" or "396" or "375").clas.) and ((((((ADC or AD **US-PGPUB**: or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or EPO; JPO; digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or DERWENT: analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or IBM_TDB digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal) adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same (resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5 or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4 or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4 or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE or RMS\$1 or root adj1 mean or square\$1 adj1 error or toleranc\$4)) same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adi1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adi1 balanc\$4))) and ((ADC or AD or "A/D" or A adi1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near2 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4))) not ((("382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.) and (((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or 5/22/04 到域的数据的 analogs near (quantiz\$5 or quantis\$5) or Search History analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or C:\APPS\EAST\Workspaces\XY97 or digitiz\\$5 or digitis\\$5) or (sampl\\$5 or sens\\$4 or camera\\$1 or pickup\\$1 or pick adj1 up or CCD or charge adj1

and (((("341" or "382" or "348" or "358" or "34 USPAT: 36 2004/05/22 14:13 "386" or "359" or "356" or "250" or "396" or "375").clas.) and US-PGPUB; (((((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 EPO; JPO; or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or DERWENT; quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or IBM_TDB transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal) adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same (resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5 or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4 or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4 or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE or RMS\$1 or root adj1 mean or square\$1 adj1 error or toleranc\$4)) same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adi1 balanc\$4))) and ((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near2 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)

and (((("341" or "382" or "348" or "358" or "34 37 89 (348.c) USPAT; 2004/05/22 14:13 "386" or "359" or "356" or "250" or "396" or "375").clas.) and **US-PGPUB**: (((((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 EPO: JPO: DERWENT; or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or IBM TDB quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near4 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4 or EVF or view adj1 finder or LCD\$1 or display\$4 or (liquid or crystal) adj1 display\$1 or screen\$1 or monitor\$1 or CGA or EGA or VGA\$3 or SVGA\$3 or XGA\$3 or SXGA\$3 or UXGA\$3 or WXGA\$3 or WSXGA\$3 or WUXGA\$3 or VDU or GUI)) same (resolution\$4 or depth\$1 or count\$4 or bit\$1 or accept\$4 or fidelit\$3 or faithful\$4 or optimum\$4 or optimal\$4 or optimiz\$5 or optimis\$5 or toleranc\$4 or suitab\$5 or preserv\$5 or qualit\$7 or superior\$4 or refine\$5 or excellen\$5 or excelen\$4 or exceptional\$4 or caliber or grade\$1 or fine\$3 or coarse\$4 or superb\$4 or terrific\$4 or precis\$4 or best\$3 or perfect\$4 or HQ or degrad\$7 or unacceptabl\$4 or un-acceptabl\$4 or reject\$4 or approv\$4 or disallow\$4 or SNR or PSNR or MSE or RMS\$1 or root adj1 mean or square\$1 adj1 error or toleranc\$4)) same ((optical\$4 or photo or light\$3 or imag\$4 or photograph\$7 or pictur\$3 or pixel\$4 or pel\$1) near2 (ram\$1 or diod\$4 or scan\$2 or pick\$3 or sens\$4 or detect\$4 or read\$4 or probe\$4) or photodetect\$4 or photosens\$4 or phototransd\$4 or spectromet\$4 or PMT or CID or CIS or BBD or CCD or CMD or sensor\$3 or detect\$3 or photosens\$4 or photoread\$4 or photodetect\$4 or photodiode\$4 or phototransduc\$3 or photo adj1 (transduc\$3 or transistor\$3) or phototransistor\$3)) same (imag\$3 or pixel\$4 or pel\$1 or video\$1 or graph\$5 or photo\$5 or photgraphic\$4 or film\$1 or scene\$1 or frame\$1 or pictur\$3 or pictograph\$4 or pictorial\$4 or continuous adj1 tone\$1 or contone\$1 or bitmap\$3 or bit adj1 map\$3 or pixmap\$3 or pix-map\$3 or pix adj1 map\$3 or raster\$7 or gray\$3 or grey\$3 or camera\$1 or shutter\$4 or diaphragm\$4 or still\$1 or CCD or camcord\$4 or photo\$1 or photograph\$4 or lens\$3 or aperture\$1 or white adj1 balanc\$4))) and ((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or digitaliz\$5 or analog\$2 near (quantiz\$5 or quantis\$5) or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or digital\$7 or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1 coupled) near (quantiz\$5 or quantis\$5)) near2 (changeabl\$3 or change\$1 or changing\$4 or choice\$1 or choise\$1 or choos\$3 or chose\$1 or elect\$3 or exchang\$4 or pick\$3 or replac\$4 or select\$5 or selective\$3 or substitut\$4 or designat\$4)))) not ((("382" or "348" or "358" or "345" or "386" or "359" or "356" or "250" or "396" or "375").clas.) and (((ADC or AD or "A/D" or A adj1 D or digitiz\$5 or digitis\$5 or digitalis\$5 or analog\$2 adj1 (convert\$3 or convers\$4 or transform\$5 or C:\APPS\EAST\Workspacesix wsp or digitiz\$5 or digitis\$5) or (sampl\$5 or sens\$4 or camera\$1 or pickup\$1 or pick adj1 up or CCD or charge adj1